

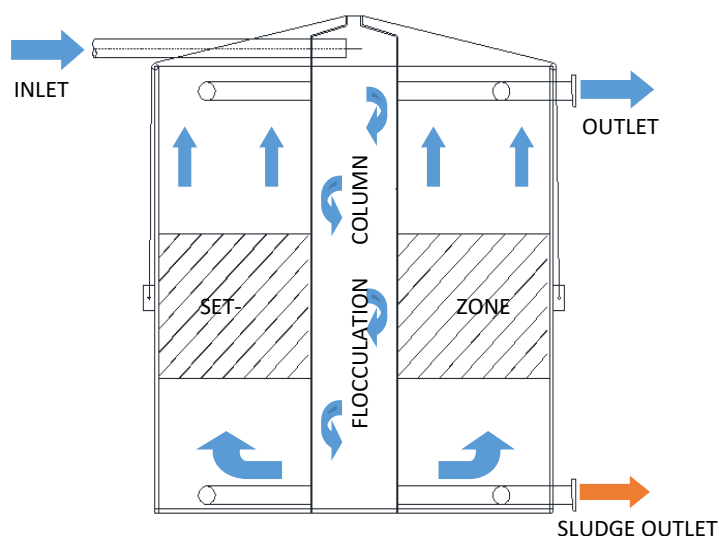
# CIRCULAR TUBE SETTLERS AND CLARIFIERS

## TRANSPORT:

1. Always transport in the upright position. This will require abnormal load permits depending on trailer height.
2. Always lift the settler/clarifier using a forklift from below. In special cases the settler/clarifier can be lifted using ropes attached to the lifting lugs around the base of the tank,
3. Avoid tying the settler/clarifier on over its top as it will deform during transport . Rather tie the settler/clarifier on using the lifting lugs at its base and/or with straps around the bottom third of the clarifier/settler.

## INSTALLATION:

1. Ensure that the settler/clarifier is placed on a level concrete slab.
2. Put some water in the settler /clarifier or tie it down to prevent it from being blown over by high winds.
3. Bolt on the sludge outlet and settled water outlets. Keep the pipe length to the buffer tank as short and direct as possible. Do not reduce the pipe diameter and this will reduce performance.
4. Install the inlet to the flocculation tube by drilling a hole of the required pipe diameter at any location require in the flocculation tube.
5. Ensure the tarpaulin cover is installed to protect the tube modules from UV damage.
6. Install the actuated sludge valve and set the timer so that it opens every 30-60mins for 30-60seconds. Failure will lead to excessive sludge build up.



## MAINTENANCE:

1. Periodically (6-12 months) drain the tank and hose down the inside of the modules to remove any sludge build up.
2. Remove the modules, by first removing the top manifold and check the bottom of the tank for sludge build up. Remove/clean as required. Replaced the modules.
3. Check the outlet manifold and pipe for debris/build-up and remove as required.
4. Check the operation of the sludge valve and repair/service as required.